

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P-02512-PCT	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/SE 2003/001249	International filing date (day/month/year) 04.08.2003	Priority date (day/month/year) 05.08.2002
International Patent Classification (IPC) or national classification and IPC A61B 6/14, G03B 42/04		
Applicant Jan E Westerlund AB et al		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising:

- a. ☒ (sent to the applicant and to the International Bureau) a total of 2 sheets, as follows:
 - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.

- b. ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

Date of submission of the demand 02.03.2004	Date of completion of this report 22.10.2004
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. +46 8 667 72 88	Authorized officer Anna Malmberg/ELY Telephone No. +46 8 782 25 00

Form PCT/IPEA/409 (cover sheet) (January 2004)

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE 2003/001249

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This report is based on a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
 - ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
 - ☐ the international application as originally filed/furnished
 - ☒ the description:
 - pages 1-5 _____ as originally filed/furnished
 - pages* _____ received by this Authority on _____
 - pages* _____ received by this Authority on _____
 - ☒ the claims:
 - pages _____ as originally filed/furnished
 - pages* _____ as amended (together with any statement) under Article 19
 - pages* 1-2 received by this Authority on 2004-08-31
 - pages* _____ received by this Authority on _____
 - ☒ the drawings:
 - pages 1 / 4-4 / 4 _____ as originally filed/furnished
 - pages* _____ received by this Authority on _____
 - pages* _____ received by this Authority on _____
 - ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
 - ☐ the description, pages _____
 - ☐ the claims, Nos. _____
 - ☐ the drawings, sheets/figs _____
 - ☐ the sequence listing (*specify*): _____
 - ☐ any table(s) related to the sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
 - ☐ the description, pages _____
 - ☐ the claims, Nos. _____
 - ☐ the drawings, sheets/figs _____
 - ☐ the sequence listing (*specify*): _____
 - ☐ any table(s) related to the sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE 2003/001249

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-9</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-9</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-9</u>	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

This report is based on the claims as filed with the letter of 2004-08-31.

Prior art

Reference is made to the following document:

D1:US 4635162 A

Document D1 discloses an arrangement relating to a sensor plate (2) and a device for holding the sensor plate comprising a guide rod (5) with an integrated (film)holding element (1) for the sensor plate (film) for dental X-raying purposes. The guide rod also comprises a bite wing (3) and an alignment assisting element (7). The device also discloses an element (50) with elements (51,52,53) intended for engagement with the film holding element in at least three different positions. The sensor plate is detachable from the element (50). (See for example the abstract, column 4, line 30-49 and figures 1 and 6.)

Statement of reason

The invention according to claims 1-9 discloses an arrangement relating to a sensor plate for dental X-ray purposes. The invention includes an arrangement of several elements which in co-action with a holder gives a number of possible positioning options when performing dental examinations.

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE 2003/001249

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of: Box V

The amended claims filed with the letter of 2004-08-31 differ from the claims as originally filed in that the features of the engagement elements are now clearly specified in independent claim 1.

Document D1 discloses an arrangement relating to a sensor plate for dental X-raying purposes, where the engagement elements are detachably coupled to the sensor plate. This known arrangement is similar to the claimed arrangement. However, the document D1 does not disclose any engagement elements which are fixed to the sensor plate, as defined in present claim 1. It is not considered obvious to a person skilled in the art to change the arrangement of the above mentioned document so as to reach an arrangement as the one claimed in the present application.

The invention according to claims 1-9 is thus novel and is considered to involve an inventive step. The invention according to claims 1-9 is industrially applicable.

CLAIMS

1. An arrangement relating to a sensor plate for dental X-raying purposes, wherein the sensor plate (10;10';10'';10''') for example is of a digital or analogue type and is intended for one-time use or for many-times use, **characterised** in that the sensor plate (10;10';10'';10''') includes or carries elements (30,31;30',31';61-64;80-82;90;95) that are intended for engagement with a plate holding element (40) in at least three different positions (A-F), and in that the engagement elements (30',31';61-64;80-82;90;95) are fixed on the sensor plate (10';10'';10''').

2. An arrangement according to Claim 1, **characterised** in that the engagement elements (30,31) of the sensor plate are arranged at side elements (21-24).

3. An arrangement according to Claim 1 or 2, **characterised** in that the engagement elements (30,31) are detachable from the sensor plate (10).

4. An arrangement according to Claim 1, **characterised** in that the engagement elements include openings (71-78;90;95) in the sensor plate (10''').

5. An arrangement according to Claim 1, **characterised** in that the engagement elements comprise wire-like elements (61-64).

6. An arrangement according to any one of Claims 1-5, **characterised** in that the plate holding element (40) includes grooves (51,52) for engagement with the sensor plate engagement elements (30,31;30',31';61-64;80-82).

7. An arrangement according to any one of Claims 1-6, **characterised** in that the plate holding element (40) includes a biting plate (45).

8. An arrangement according to any one of Claims 1-7, **characterised** in that the plate holding element (40) includes a holding pin (41) and an alignment assisting element (46).

9. An arrangement according to any one of Claims 1-8, characterised in that the sensor plate (10;10';10'';10''') is adapted to engage the holding element (40) in six different positions (A-F).
